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**WHOLESALE DISTRIBUTION
OF DRY BEANS AND CANNED DRY BEANS
DURING THE YEAR ENDED JUNE 30, 1940**

By

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COOPERATIVE RESEARCH AND SERVICE DIVISION

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WHOLESALE DISTRIBUTION OF DRY BEANS AND CANNED DRY BEANS
DURING THE YEAR ENDED JUNE 30, 1940 ^{1/}

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Note: The author desires to express his appreciation to the independent and chain store wholesale distributing agencies and the National Association of Food Chains, whose cooperation made this report possible. Acknowledgment is made of the helpful advice and assistance of E. W. Cake, Agricultural Economist in the Farm Credit Administration (now on leave in the military service) in the preparation of the present report. A preliminary report relating to the retail distribution of dry beans will be prepared later by Mr. Cake, who conducted this phase of the study.

^{1/} This report covers one phase of a study undertaken by the Cooperative Research and Service Division, pertaining to the organization and operation of producers cooperative bean marketing associations, which will be published later in bulletin form.

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Producers cooperative bean marketing associations occupy an important place in the sale and distribution of this country's dry bean crop. Operating in all the principal bean-producing States, these cooperatives handle as much as a fifth of the total United States crop for some 20,000 producers. Some of these cooperative groups have stressed the need for more information regarding the demand for various types or commercial classes of dry beans in different sections of the United States. With a view to assisting in the development of pertinent information in relation to this question, the Cooperative Research and Service Division undertook a survey of the distribution of dry beans in bulk and canned dry beans by wholesale grocery agencies in the United States during the year ended June 30, 1940. It will be apparent to the cooperatives concerned and to others receiving these reports that their usefulness is definitely restricted because the data upon which they are based cover only a single year. Despite this fact, however, and the further fact that normal conditions do not prevail in the industry at this time, the information should prove helpful since it indicates the quantities of the various commercial classes of dry beans and canned dry beans distributed in different sections of the country by nearly half of the wholesale grocery agencies in the United States during a representative 12-month period.

Importance of United States Dry Bean Crop

For the country as a whole dry beans represent only about 1 percent of the gross income from all crops, but for certain States they constitute an important source of farm income. About 60 percent of the dry beans grown in the United States are produced in Michigan and California, ^{2/} and the cooperatives with the largest volume are located in those States. In California, for example, cooperatives handle about two-thirds of the standard lima bean crop and in Michigan cooperative volume amounts to about 30 percent of the State's total dry bean production. Other States with important cooperative volume include New York, Colorado, Idaho, Wyoming, and New Mexico. The annual production of dry beans in these seven States amounts to about 90 percent of the total United States crop.

Each of the States which produce dry beans commercially tends to specialize in the production of particular varieties or commercial classes. Thus, Michigan and New York lead in the production of pea beans; Colorado and New Mexico are first in pinto production; California produces all the dry limas grown in this country; and Idaho and Wyoming are our principal source of Great Northerns.

^{2/} Production, Farm Disposition, and Value of Beans, 1909-37 - U. S. Dept. of Agr. Marketing Service, 1940 (Mimeo).

Table 1 ^{3/} shows the production of dry beans by States for the 11 years ending with 1939, together with the 1929-38 annual average. Table 2 shows the production in 1939 of the several commercial classes of beans by States.

Marketing Dry Beans Cooperatively

The system of marketing dry beans is similar to that employed in marketing many other agricultural products. It includes the local elevator or shipper, warehouseman, wholesaler, and retailer. Obviously, in the case of canned dry beans the cannery represents a necessary step between the producer and the consumer.

The services performed by bean cooperatives are embraced generally within the first two functions just mentioned. The cooperatives usually operate one or more elevators at which beans are received from producers and put in marketable condition. There with special machines and other equipment the local elevator removes small stones, particles of dirt, and other foreign material not taken out in threshing. Also, defective and discolored beans are removed to make the quality conform to an established grade. In some cases it may be necessary to polish the cleaned beans to bring about this result. Sometimes after initial cleaning at the local elevator, beans are shipped to terminal elevators for further processing and storage.

Some cooperatives confine their activities to those functions usually performed by local elevators. Others render a complete service to producers all the way to the wholesale grocers, the canners, and other large-scale buyers.

Dry beans are packaged ordinarily by the grocery agencies themselves. However, some of the large dry bean cooperatives are performing this service in increasing volume, either for the wholesalers in their own packages or in the packages of the cooperatives.

Some of the cooperatives are giving increased attention to the canning of dry beans. For instance, the California Lima Bean Growers Association, Oxnard, California, has a substantial volume of the beans delivered by its producers canned each year. This is done under contractual arrangement with several canneries. In order to insure a quality product the association selects the type and quality of the canning stock and the packing is done under its direction.

The California Lima Bean Growers Association is the oldest and one of the outstanding dry bean cooperatives in the United States. It is a federated type of cooperative, with a membership of 18 locals,

^{3/} See p. 13.

serving about 1,000 growers. Individual growers have their membership in the locals which compose and control the central association. The Lima Bean Growers Association acts as a sales agency, and all warehousing, cleaning, grading, handling, packaging, and shipping are under the direct supervision of the association's inspectors. When necessary to conform to terms of contract of sale, inspections for grade are made by Federal-State inspectors at time of shipment or delivery. The annual volume of the association amounts to about 60 percent of the California standard lima bean crop. Beans are handled by the association on a pooled basis and sales are made directly to wholesale grocers and chain-store buyers through the medium of food brokers located in the principal distributing centers in the United States and Canada.

The Michigan Elevator Exchange, Lansing, Mich., also illustrates the extensive scope of operation of the leading bean cooperatives. This association is a federation of some 80 locals, comprising three-fourths of all the farmer-owned elevators in the State of Michigan. It performs various services incident to the sale and distribution of dry beans for the local elevators, functioning for the latter generally as the locals act for individual producers. The Exchange owns and operates the largest terminal elevator in the world, which is equipped with the latest machinery for conditioning, picking, packing, and storing beans.

In the East the Cooperative Grange League Federation Exchange at Ithaca, N. Y., is handling an increasingly important volume of dry beans. This association maintains processing plants in the three principal bean-producing counties in the State of New York. Other bean cooperatives include those operating in Colorado, Idaho, Wyoming, and Montana. These associations handle a substantial volume of beans each year.

Sources of Information

A questionnaire was sent to all wholesale grocers listed in Thomas Wholesale Grocery Register for 1939 capitalized at \$50,000 or more and which conformed to the Register's Definition "A". ^{4/} The 3,241 wholesale agencies thus contacted represented 87 percent of the total number of concerns coming within the "A" classification. They were asked to furnish information regarding the

^{4/} The register divides wholesale concerns listed therein into two groups--those whose major business (75 percent or more) is confined to grocery lines and which conform to other conditions set forth in the register. These are designated as coming within definition "A". Those whose business is less than 25 percent groceries, and meet certain other specified conditions are listed as "Supplementary Wholesales" definition "B". In this survey reports were obtained only from the first-named group.

quantity of dry beans by commercial classes and canned dry beans, handled by them during the year ended June 30, 1940. Located in some 800 cities throughout the country, the concerns contacted included 2,750 independent and 491 chain-store wholesales. Replies were received from 1,759 concerns. Of these, 215 were not used because the concern (a) did not handle beans, (b) had consolidated with another, (c) had gone out of business, (d) information was not available. Therefore, this report is based upon 1,544 replies, representing 47.63 percent of the wholesale agencies to which questionnaires were sent. Of the total replies received, 281 were from chain wholesales.

The wholesale grocers submitted information as to the volume of canned beans and beans in bulk or package form distributed by them during the year covered by the survey. However, the relatively small quantity of dry beans in package form reported did not warrant inclusion separately, broken down by States and trading areas. Accordingly, dry beans in bags includes packaged dry beans.

Summary of Data Obtained

The following is a summarization of the information thus made available to us by the wholesale agencies for the year covered by the survey:

4,700,286	bags ⁵ / ₅ dry beans (100 pounds to bag)
5,129,925	cases pork and beans and baked beans (48 cans to case)
1,093,628	cases canned kidney beans (24 cans to case)
356,993	cases canned dry lima beans (24 cans to case)

The volume of dry beans in bags handled by these concerns represented nearly 33 percent of the 1939 crop. The 6,580,000 cases of canned dry beans reported to us was more than 25 percent of the 25,843,000 cases of dry beans canned in 1939. It is estimated ⁶/₆ that roughly 712,000 bags of dry beans were required to produce these $6\frac{1}{2}$ million cases. Adding the 712,000 bags to the number of bags of dry beans sold in bulk and packages, a total of 5,412,286 bags was handled by these agencies, or a little less than 38 percent of the dry bean crop produced in 1939.

Distribution by Geographic Regions and by States

The volume of dry beans distributed by the wholesale agencies which cooperated in this survey is shown in table 3 on the basis of the nine geographic regions of the United States, together with the

⁵/ Includes dry beans in package form equivalent to 102,227 bags.

⁶/ Estimate supplied by the National Canners Association.

population of those regions. With more than 18 percent of the total dry beans reported for the entire United States, the geographic region embracing the States of Arkansas, Louisiana, Oklahoma and Texas was first from the standpoint of volume of dry beans distributed. It ranked fifth in population. The geographic region which includes the States of New York, New Jersey, and Pennsylvania was first in population and second in volume of dry beans reported by the wholesalers.

Table 4 lists the several States of the Union in the order of their importance in the wholesale distribution of dry beans as shown by this survey. Some 17 States each showed a volume of more than 100,000 bags of beans distributed during the year covered by this survey, or more than three-fourths of the total for the United States. New York State was first with more than half a million bags. Ranking second in volume of dry beans distributed, the State of Texas was sixth in population. Tennessee was third in the distribution of dry beans and ranked fifteenth in population.

Major Groups of Dry Beans

The nearly 4-3/4 million bags of dry beans reported to us are divided among the three major groups of white, colored, and lima beans as follows:

<u>Group</u>	<u>Number of bags</u>
White	2,021,693
Colored	1,749,531
Lima	925,639
Other	3,423

Stated on a percentage basis, the above figures indicate that of the total reported, 43 percent were white beans and 37 percent colored. This compares with the production in 1939 when 45 percent of the crop was white beans and 37 percent colored. Over an extended period of years the production of white beans has been equal to about half the United States dry bean crop. Lima beans represented about 19 percent of the total in the survey. While these groups compete to some extent, the competitive situation is reflected more definitely in the demand for the various commercial classes into which these major groups are divided and under which dry beans are generally sold.

Commercial Classes of Dry Beans

The general crop reports of the United States Department of Agriculture list 14 commercial classes of dry beans produced in this country. The 10 leading classes usually represent about 90 percent of the total United States crop. Therefore, tables 6 and 12 which

show, respectively, the distribution of commercial classes of dry beans on State and trading area bases, are limited to those 10 classes and group the rest under the heading "Other Classes." Tables 5, 8, 10 and 11 show 13 classes upon which the wholesale agencies reported to us.

Each of the commercial classes differs from the others in size, color, shape, and flavor, and therefore has its own particular appeal to consumer taste and preference. Some varieties or classes are consumed more or less generally throughout the country, and the consumption of others is confined largely to specific areas. Generally, it may be said that those dry beans which come within the classification of white beans are used principally in the northern States, and that the more important demand for colored beans is in the southern States.

In table 5 the dry beans reported in this survey are shown under the general groups white, colored, and lima, and then subdivided according to commercial classes coming within each of these major groupings.

Though of somewhat diminished importance in comparison with the lead maintained in production, pea beans was the most important commercial class reported in this survey, representing 23 percent of the United States total. Pintos were next with 16 percent, limas (Standard and baby) amounted to 19 percent, and Great North-erns, 13 percent.

Table 6 shows, by commercial classes and by States, the volume of dry beans together with the volume of canned dry beans reported to us by the wholesale distributors. It is worth noting that the eight States bordering the Great Lakes, with 40 percent of the population of the United States, accounted for nearly 60 percent of the total volume of pea beans and 45 percent of the standard limas reported to us. The five States in the south-central part of the country, consisting of Kentucky, Tennessee, Arkansas, Oklahoma and Texas, representing about 8 percent of our total population, distributed 63 percent of the pintos, 42 percent of the Great North-erns, and nearly 30 percent of the baby limas. About 58 percent of the blackeyes reported to us were distributed in the Gulf States, and Georgia and Tennessee.

Comparison with Earlier Study

A survey comparable to the one upon which this report is based was conducted by the Bureau of Agricultural Economics covering the marketing season 1930-31 7/. A total of 5,344,000 bags was reported

7/ Distribution of Dry Beans by Commercial Classes as reported by Wholesale Grocers - Compiled by J. E. Barr, Marketing Specialist, and J. A. Thompson, Junior Agronomist, U. S. Dept. of Agr., April 1932 (Mimeo).

in that study as compared with 4,598,000 bags 8/ reported in the present survey.

The 14 States for which the greatest volume was reported in 1930-31 and in 1939-40 are shown in table 7. The volume of these leading groups respectively represented about 70 percent of the total reported in each of the years covered by the two surveys, and 13 of the 14 States in the 1930-31 survey also were the leaders in 1939-40.

The volume of dry beans by commercial classes reported in both surveys is shown in table 8. With a volume of 23.4 percent of the total dry beans reported, pea beans represented the most important class in 1939-40, and amounted to only 16.9 percent of the total in 1930-31. Pintos led in 1930-31 with 25.4 percent of the total, and in 1939-40 they constituted only 16.8 percent of the total for the entire country.

It will be borne in mind that the distribution percentages for the commercial classes referred to above are in about the same ratio as the production of the specific class bears to the total production of all classes for that year. For instance, a record crop of pinto beans was produced in 1930 and this volume, with the carry-over from the heavy crop in 1929, was available for marketing in the 1930-31 marketing season. Likewise the large crop of pea beans in 1939 following an even larger production of that particular class in 1938 meant extremely heavy volume for the 1939-40 marketing season. In such circumstances increased efforts of distributing agencies and others interested are directed toward the class representing largest volume.

Distribution in Wholesale Trading Areas

Like other articles of commerce, agricultural products must move from areas of production to consuming centers with reasonable efficiency, and without regard for State, county or city boundaries. Consequently, a city which is in an important distributing center frequently serves an area extending considerably beyond the boundaries of the State or county in which it is located. For example, the important marketing center of St. Louis, embraces not only practically the eastern half of Missouri, but the major portion of southern Illinois as well.

Although presentation of the information obtained in this survey would be somewhat cumbersome if shown for each of the nearly 800 cities from which reports were received, it may be shown quite easily on the basis of the principal centers of distribution.

8/ The 1930-31 survey did not include beans in packages. Accordingly, in this portion of the report they are omitted from the figures representing the present survey.

Fortunately, authoritative information is available as to the number of these trading areas and territory embraced in each, as a result of studies carried on by the Bureau of Foreign and Domestic Commerce of the United States Department of Commerce.

The most recent report of this character is the Atlas of Wholesale Grocery Trading Areas prepared by Elma S. Moulton in the Marketing Research Division of the Bureau of Foreign and Domestic Commerce, United States Department of Commerce, published in 1938 as Market Research Series No. 19. The Atlas is based primarily upon information furnished by the wholesale grocers themselves, supplemented by data obtained in the Census of American Business issued by the Bureau of the Census. A map of the United States showing the territory embraced in each of the trading areas into which the country was divided accompanied the Atlas and is the last page in this report.

Dividing the United States into 184 major wholesale grocery trading areas, the Atlas emphasizes that these trading areas are not fixed, immobile territories. It declares that changing economic conditions, changes in transportation and marketing practices, and other factors, may affect trading area patterns and necessitate adjustment in using the information it contains. To the end that confidential information may not be disclosed it has been found desirable to combine certain trading areas in this report.

Wholesale concerns whose business is national or regional in character were able generally to allocate their volume to the several trading areas in which they operate, thus permitting a more detailed breakdown of the information here presented than would have been possible otherwise. It should be borne in mind that the wholesale agency whose volume is reported for a given trading area may not have its place of business at any of the cities shown in tables arranged on a trading area basis, but at some other city in that particular area.

The quantities of the various commercial classes of dry beans and canned beans are shown in table 12 allocated to the trading areas for which they were reported to us. The five leading dry-bean trading areas, as indicated by table 12 are those whose territories include respectively, New York City, Nashville, Dallas, Chicago, and Los Angeles. Scattered from the Atlantic Coast to the Pacific, and from Lake Michigan to Texas, these six areas distributed slightly more than one-fourth of the total dry beans reported in this survey. The New York City trading area distributed the largest volume, handling some 9 percent of the United States total. Next in importance were the Chicago and Knoxville trading areas, in the order named.

Packaged Dry Beans

Though many foods are available either in bulk or package form, preference for the packaged article continues to develop rapidly.

Convenience in handling, greater sanitation, and similar appeals to consumers in behalf of packaged foods apparently have been less favorably received by consumers of dry beans than other foods. At any rate, packaged dry beans reported in this survey represented only about 2 percent of the total quantity distributed. However, the figures made available to us refer to purchases of packaged beans by wholesale agencies and do not include quantities which may have been purchased in bulk and packaged by the wholesalers themselves. Incidentally, the volume of dry beans in packages sold by producer cooperatives is increasing probably because these organizations are working closely with distributing agencies in furthering the sale of beans in package form. Some of these associations sell packaged beans under their own brand names, and also package beans for sale under their customers' brands.

Because the relatively small volume of dry beans in packages reported in this survey does not warrant showing quantities by States, the figures relating to the packages are combined with those showing quantities in bags for the several States. However, as an indication of the quantity of packaged dry beans reported from the more important distributing centers, the 15 leading States are shown in table 9.

The wholesale agencies reported the equivalent of 102,227 100-pound bags of dry beans in package form. The total quantity of dry beans in packages distributed in the 15 leading States, therefore, was approximately 90 percent of the total for the United States.

Distribution by Type of Concern

Reference was made earlier to the fact that this report is based upon 1,544 replies from wholesale grocers throughout the country. Of the total replies received, 281, or slightly more than 18 percent, were from chain wholesalers, which reported the distribution of 1,966,873 bags during the year. The independents distributed 2,733,413 bags. The total quantities of the several commercial classes of dry beans distributed by the independent and chain groups, as disclosed by the reports to us, are shown in table 10.

Approximately three-fourths of the pintos and of the Great Northerns, two of the three leading classes, were handled by the independents. More than 60 percent of the pea beans, the most important commercial class, was distributed by the chain wholesales. The chains distributed nearly 42 percent of the United States total reported in this study. This means that less than one-fifth of the concerns reporting distributed more than two-fifths of the total volume shown. Table 11 shows the volume of dry beans in bags and on a percentage basis, distributed in each of the nine geographic regions of the United States by the independent and the chain wholesale agencies.

Foreign Trade in Dry Beans

This country usually imports more dry beans than it exports. Average annual imports for the 19-year period, 1921-39, were about double the exports. However, wide fluctuations occurred during this period. In some years exports were small as compared with imports and in other years the reverse was true. In 1930 imports were three times the exports in that year, and in 1938 exports were about four times greater than the imports. Exports of dry beans in 1939-40 amounted to 793,379 bags ⁹/₁₀, or about 5 percent of our production in that year. Our leading customer in 1939-40 was Cuba, which took 219,251 bags. France was next with 146,014 bags, and then Sweden with 121,726 bags. Imports of dry beans in 1939-40 were less than one-half of 1 percent of the United States production in 1939. United States foreign trade in dry beans during the 11-year period ending in 1939 is shown in table 13.

Purchases of Dry Beans in Surplus Removal Program

The purchases by the Federal Government under the surplus removal and relief programs removed substantial quantities of beans from regular distribution channels during the year ending June 30, 1940. While such purchases did not add to the volume handled by the wholesale distributing agencies, it should be mentioned that nearly 30,000,000 pounds of dry beans were purchased by the Federal Government for relief distribution during that year. Of these quantities, there were actually distributed to the various States by the Surplus Marketing Administration during the year ending in June 1940, 22,433,488 pounds of dry beans, including 663,488 pounds of dry lima beans.

In addition to the above, nearly 7,950,000 pounds of dry beans moved into consumption during the year ended June 30, 1940, under the food stamp plan.

⁹/₁₀ Production and Trade - Dry Beans, 1939-40, prepared by M. A. Wulfort, Vegetable Specialist, Bureau of Foreign and Domestic Commerce, U. S. Dept. of Commerce.

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Table 1 - Production of Dry Beans by States and
by Years, 1929 - 39
and the
10-Year Average for 1929-38
(Thousand 100-pound bags)

State	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	10-Year Average 1929-38	1939
Me.	53	69	76	56	72	60	61	70	80	101	69.8	91
Vt.	16	18	26	18	16	19	18	18	20	19	18.8	18
N. Y.	742	752	1,228	945	1,058	1,205	1,125	852	1,264	1,449	1,062.0	1,134
Mich.	3,220	2,898	3,556	5,078	4,139	4,178	5,114	2,656	4,333	4,567	3,973.9	4,850
Wis.	30	32	17	23	20	26	29	12	15	8	21.2	9
Minn.	16	20	23	21	21	13	18	4	12	14	16.2	9
Nebr.	40	69	63	80	94	50	104	120	231	190	104.1	154
Kans.	63	94	30	25	47	-	21	7	-	-	28.7	-
Mont.	451	443	278	216	252	165	281	168	252	230	273.6	207
Idaho	1,608	1,915	2,024	1,020	1,408	1,205	1,265	1,373	1,836	1,566	1,522.0	1,501
Wyo.	278	432	408	190	356	301	441	460	649	516	403.1	460
Colo.	1,316	2,475	906	453	1,204	376	1,174	1,091	781	1,406	1,118.2	1,420
N. Mex.	1,010	594	760	350	527	68	660	441	681	332	542.3	504
Ariz.	26	34	45	40	31	35	41	46	45	68	41.1	25
Oreg.	18	24	7	6	6	8	6	6	14	24	11.9	16
Calif.	3,391	4,264	3,467	2,484	3,520	3,684	3,965	4,081	5,369	4,563	3,878.8	3,990
U. S.	12,278	14,133	12,914	11,005	12,771	11,393	14,323	11,405	15,582	15,053	13,085.7	14,388

Source: 1929-37, "Production, Farm Disposition and Value of Beans, 1909-37," U. S. D. A., Agricultural Marketing Service, 1940 (mimeo.) 1938-39, Crops and Markets, U. S. D. A., December 1939 and December 1940.

Table 2 - Production of Dry Beans by Commercial Classes and States, 1939

(Thousand 100-pound bags)

State	pea beans	Great northern	Small white	White farrow	White kidney	Red kidney	Small red	Cranberry	Pink	Yelloweye	Pinto	Blackeye	Standard lima	Baby lima	Seed and other 1/	Total
Me.	4			1	2	13				59					12	91
Vt.	1				1					5					11	18
N. Y.	386			147	63	431				68					34	1,134
Mich.....	3,916					257		581							96	4,850
Wis.	8														1	9
Minn.....	9															9
Nebr.....		129									23				2	154
Kans.....																
Mont.....		151				2					14				40	207
Idaho.....	38	917					289								257	1,501
Wyo.....		322									110				28	460
Colo.....		14									1,363				43	1,420
N. Mex....											499				5	504
Ariz.....											22				3	25
Oreg.....							5								11	16
Calif.....			420			59	39	98	457		396	573	1,139	653	176	3,990
U. S.	4,362	1,533	420	148	71	762	333	689	457	132	2,417	573	1,139	653	719	14,388

1/ Adjusted for variations in State total.

Source: Crops and Markets, U. S. Dept. of Agr., December 1940.

Table 3 - Distribution of Dry Beans by 1,544 Wholesale Grocers with Percentage of Total Distributed, and Population with Percentage of Total, by Geographic Regions, Year Ended June 30, 1940

Region	Volume of dry beans	Percentage of U. S. total	Population	Percentage of total
	<u>100-lb. bags</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>
1 - Me., N. H., Vt., Mass., R. I., Conn.	172,407	3.67	8,437,290	6.41
2 - N. Y., N. J., Pa. 1/	828,111	17.62	27,539,487	20.91
3 - Ohio, Ind., Ill., Mich., Wis.	649,409	13.82	26,626,342	20.22
4 - Minn., Ia., Mo., N. Dak., S. Dak., Nebr., Kans.	400,033	8.51	13,516,990	10.27
5 - Md. 2/, Va., W. Va., N. C., S. C., Ga., Fla.	786,488	16.73	17,823,151	13.54
6 - Ky., Tenn., Ala., Miss.	561,516	11.95	10,778,225	8.19
7 - Ark., La., Okla., Texas	670,152	18.51	13,064,525	9.92
8 - Mont., Idaho, Wyo., Colo., N. Mex., Ariz., Utah, Nevada	145,681	3.10	4,150,003	3.15
9 - Wash., Oreg., Calif.	286,487	6.09	9,733,262	7.39
TOTAL	4,700,286	100.00	131,669,275	100.00

1/ Includes Delaware.

2/ Includes District of Columbia.

Source: Survey made by Cooperative Research and Service Division, 1940. Population figures are from 1940 census.

Table 4 - Distribution of Dry Beans and Canned Dry Beans, by 1,544 Wholesale Grocers, by States, Year ended June 30, 1940

States	Dry Beans	Canned pork and beans baked beans	Canned dry lima beans	Canned kidney beans
	<u>100-lb. bags</u>	<u>48-can cases</u>	<u>24-can cases</u>	<u>24-can cases</u>
N. Y.	519,111	670,622	21,946	73,732
Texas	457,471	196,310	12,232	15,571
Tenn.	275,052	73,993	8,143	17,116
Pa. 1/	250,103	540,350	15,990	164,870
Okla.	223,438	127,210	11,878	9,577
Calif.	213,111	263,285	41,951	61,570
Ill.	208,070	277,612	29,700	127,002
Ky.	207,714	92,230	5,191	12,517
Ohio	197,313	263,100	32,548	179,822
Va.	182,960	120,997	13,368	5,630
Mo.	173,020	153,924	15,916	27,359
Ark.	135,243	44,943	2,900	8,619
W. Va.	135,103	32,558	1,278	10,400
Ga.	131,896	69,695	1,814	5,954
Ind.	117,098	149,010	14,544	59,521
Mass.	106,116	286,255	4,709	7,018
N. C.	103,114	71,473	5,615	1,458
Md. 2/	91,111	157,610	5,488	19,323
Mich.	83,760	134,926	14,093	55,635
Fla.	73,250	61,932	7,662	13,943
S. C.	69,054	48,064	4,775	1,625
N. J.	58,897	101,315	4,459	7,280
Kansas	57,225	93,524	5,748	13,843
Utah	56,555	17,074	542	331
La.	54,000	21,255	5,550	1,659
Ala.	51,165	29,598	1,401	1,579
Nebr.	48,960	103,783	5,149	22,040
Iowa	46,014	171,264	16,594	34,407
Wash.	45,026	92,538	5,213	8,851
Wis.	43,168	117,962	4,825	45,375
S. Dak.	41,494	27,002	1,300	4,114
Maine	32,672	56,368	1,249	1,807
Oreg.	28,350	50,383	4,533	5,616
Minn.	28,290	161,169	9,786	31,544
Miss.	27,537	24,455	5,559	1,065
Ariz.	27,477	19,258	1,518	2,137
Colo.	20,804	10,381	498	1,693
R. I.	15,664	39,753	2,845	16,065
N. Mex.	15,580	12,582	626	671
Mont.	12,428	33,069	2,139	3,592
Conn.	11,091	17,271	974	673
Nev.	5,986	1,637	235	546
Idaho	5,813	15,236	667	586
N. Dak.	5,030	16,482	450	2,439
N. H.	4,106	8,637	130	1,504
Vt.	2,758	3,957	100	375
Wyo.	1,038	31,602	3,162	5,174
TOTAL	4,700,883	5,129,925	356,993	1,033,628

1/ Includes Delaware.

2/ Includes District of Columbia.

Source: Survey made by Cooperative Research and Service Division, 1940.

Table 5 - Distribution of Dry Beans by 1,544 Wholesale Grocers, by Commercial Classes, Year Ended June 30, 1940

Class	Beans in 100-pound bags	Beans in packages 100-lb. bag equivalent	Total
White beans.....	1,982,231	39,362	2,021,693
Pea beans.....	1,075,567	24,877	1,100,444
Great Northern.....	622,758	10,194	632,952
Small white.....	146,573	2,221	148,794
White marrow.....	137,433	2,070	139,503
Colored beans.....	1,724,770	24,761	1,749,531
Pinto.....	772,528	7,831	780,359
Blackeye.....	321,571	2,683	324,254
Cranberry.....	222,022	4,412	226,440
Red kidney.....	160,726	7,402	168,128
Pink.....	105,336	660	105,996
Small red.....	97,938	454	98,392
Yelloweye.....	44,643	1,312	45,962
Lima beans.....	887,552	38,086	925,639
Standard lima.....	547,697	27,789	575,486
Baby lima.....	339,856	10,297	350,153
Other classes.....	3,405	18	3,423
Grand total.....	4,598,059	102,227	4,700,286

Source: Survey made by Cooperative Research and Service Division, 1940.

Table 6 - Distribution of dry beans and canned dry beans by 1,544 wholesale grocers, by geographic regions and States, during year ended June 30, 1940

Regions and States	Pea beans: medium white	Pinto	Great Northern	White marrow	Red kidney	Cran- berry	Standard lima	Baby lima	Small white	Black- eye	Other classes	Total dry beans	Canned : pork & beans	Canned : dry lima beans	Canned : kidney beans
	100 lb. bags	100 lb. bags	100 lb. bags	100 lb. bags	100 lb. bags	100 lb. bags	100 lb. bags	100 lb. bags	100 lb. bags	100 lb. bags	100 lb. bags	100 lb. bags	Cases (48 cans)	Cases (24 cans)	Cases (24 cans)
Maine.....	13,296:	566:	646:	521:	2,376:	551:	1,454:	1,049:	7,504:	523:	4,186:	32,672:	56,368:	1,249:	1,807
New Hampshire..	1,820:	:	:	:	1,050:	1:	42:	73:	775:	:	345:	4,106:	8,637:	130:	1,504
Vermont.....	1,470:	:	:	3:	20:	:	:	15:	:	:	1,250:	2,758:	3,957:	100:	375
Massachusetts..	43,343:	1,335:	1,525:	1,277:	12,478:	1,363:	9,469:	3,245:	19,496:	1,410:	11,175:	106,116:	286,255:	4,709:	7,018
Rhode Island...	6,080:	373:	425:	343:	1,639:	413:	1,362:	654:	2,669:	344:	1,362:	15,664:	39,753:	2,845:	16,065
Connecticut....	5,597:	353:	403:	541:	890:	344:	1,333:	815:	54:	352:	409:	11,091:	17,271:	974:	873
Total-Region 1 :	71,606:	2,627:	2,999:	2,685:	18,453:	2,672:	13,660:	5,851:	30,498:	2,629:	18,727:	172,407:	412,241:	10,007:	27,642
New York.....	228,619:	5,002:	8,013:	78,981:	29,033:	5,393:	120,666:	18,187:	1,426:	18,984:	4,807:	519,111:	670,622:	21,946:	73,732
New Jersey.....	27,518:	1,747:	2,269:	3,608:	4,238:	1,962:	9,237:	4,566:	227:	2,165:	1,360:	58,897:	101,315:	4,459:	7,280
Pennsylvania 1/:	106,230:	5,113:	7,873:	28,077:	13,375:	11,155:	52,749:	15,092:	521:	6,859:	3,059:	250,103:	540,350:	15,990:	164,870
Total-Region 2 :	362,367:	11,862:	18,155:	110,666:	46,646:	18,510:	182,652:	37,845:	2,174:	28,008:	9,226:	828,111:	1,312,287:	42,395:	245,882
Ohio.....	101,250:	10,904:	9,140:	11,185:	8,672:	10,446:	27,414:	8,986:	1,628:	4,569:	3,119:	197,313:	263,100:	32,548:	179,822
Indiana.....	57,524:	9,242:	17,818:	808:	3,024:	4,396:	16,144:	4,176:	338:	1,488:	2,140:	117,098:	149,010:	14,544:	59,521
Illinois.....	80,187:	7,955:	39,744:	2,086:	21,959:	4,372:	27,643:	10,066:	248:	7,146:	6,664:	208,070:	277,612:	29,700:	127,002
Michigan.....	48,492:	2,774:	6,047:	1,622:	4,405:	1,796:	9,228:	4,730:	554:	2,375:	1,737:	83,760:	134,926:	14,093:	55,635
Wisconsin.....	29,336:	1,019:	2,689:	785:	1,985:	835:	2,788:	1,688:	82:	774:	1,187:	43,168:	117,962:	4,825:	45,375
Total-Region 3 :	316,789:	31,894:	75,438:	16,486:	40,045:	21,845:	83,217:	29,646:	2,850:	16,352:	14,847:	549,409:	942,610:	95,710:	467,355
Minnesota.....	16,398:	681:	5,451:	101:	667:	15:	2,624:	996:	190:	31:	1,136:	28,290:	161,169:	9,786:	31,544
Iowa.....	22,729:	1,853:	10,817:	475:	1,060:	503:	4,718:	2,474:	331:	490:	564:	46,014:	171,264:	16,594:	34,407
Missouri.....	40,377:	25,453:	45,631:	926:	5,751:	4,560:	24,417:	10,797:	2,995:	5,976:	6,137:	173,020:	158,924:	15,916:	27,359
North Dakota...	571:	595:	1,858:	:	419:	:	789:	572:	4:	:	222:	5,030:	18,482:	450:	2,439
South Dakota...	4,695:	50:	25,944:	:	53:	:	8,574:	2,129:	:	:	49:	41,494:	27,002:	1,300:	4,114
Nebraska.....	1,097:	1,718:	33,912:	:	557:	:	6,611:	3,127:	496:	351:	1,091:	48,960:	103,873:	5,149:	22,040
Kansas.....	924:	12,135:	32,986:	:	10:	20:	5,476:	3,171:	425:	589:	1,489:	57,225:	93,524:	5,748:	13,843
Total-Region 4 :	86,791:	42,485:	156,599:	1,502:	8,517:	5,098:	53,209:	23,266:	4,441:	7,437:	10,688:	400,033:	734,238:	54,943:	135,746
Maryland 2/....	36,277:	1,850:	6,933:	1,828:	4,401:	4,121:	22,551:	6,825:	81:	5,239:	1,005:	91,111:	157,610:	5,488:	19,323
Virginia.....	40,233:	34,173:	12,668:	394:	1,803:	42,424:	13,975:	17,304:	1,173:	11,873:	6,940:	182,960:	120,997:	13,368:	5,630
West Virginia..	31,181:	36,296:	9,235:	185:	1,245:	40,593:	9,598:	2,341:	130:	832:	3,467:	135,103:	32,558:	1,278:	10,400
North Carolina..	16,817:	29,962:	9,668:	641:	1,567:	6,045:	7,024:	13,795:	369:	12,687:	4,539:	103,114:	71,473:	5,615:	1,458
South Carolina..	5,539:	16,304:	2,880:	:	415:	1,698:	9,023:	16,346:	75:	13,306:	3,468:	69,054:	48,064:	4,775:	1,625
Georgia.....	17,444:	15,821:	8,976:	506:	1,825:	1,667:	18,913:	22,921:	381:	38,645:	4,797:	131,896:	69,695:	1,814:	5,954
Florida.....	11,179:	1,376:	9,485:	581:	1,763:	586:	11,024:	18,035:	61:	18,387:	773:	73,250:	61,932:	7,662:	13,943
Total-Region 5 :	158,670:	135,782:	59,845:	4,135:	13,019:	97,134:	92,108:	97,567:	2,270:	100,969:	24,989:	786,488:	562,329:	40,000:	58,333

Continued.

Table 6 - Distribution of dry beans and canned dry beans by 1,544 wholesale grocers, by geographic regions and States, during year ended June 30, 1940

Regions and States	Pea beans: medium white 100 lb. bags	Pinto 100 lb. bags	Great Northern: 100 lb. bags	White marrow: 100 lb. bags	Red kidney: 100 lb. bags	Cran- berry: 100 lb. bags	Standard: lima 100 lb. bags	Baby: lima 100 lb. bags	Small: white 100 lb. bags	Black- eye: 100 lb. bags	Other: classes: 100 lb. bags	Total: dry beans: 100 lb. bags	Canned: pork & beans: baked beans: (48 cans)	Canned: dry lima: beans: (24 cans)	Canned: kidney: beans: (24 cans)
Kentucky.....	38,589	80,879	41,092	1,185	1,751	24,880	9,712	5,589	173	2,607	1,257	207,714	92,230	5,191	12,517
Tennessee.....	20,040	60,225	98,603	1,200	306	42,181	7,431	15,553		20,934	8,079	275,052	73,993	8,143	17,116
Alabama.....	6,635	6,776	4,777	300	1,303	477	6,054	10,972	33	12,979	859	51,165	29,598	1,401	1,579
Mississippi.....	839	3,291	2,317		1,686	250	491	6,213	103	12,301	96	27,587	24,455	5,559	1,065
Total-Region 6	66,103	151,171	146,789	2,685	5,546	67,788	23,688	38,327	309	48,821	10,291	561,518	220,276	20,294	32,277
Arkansas.....	4,678	37,921	48,893		176	4,935	5,881	17,164	740	14,326	529	135,243	44,943	2,900	8,619
Louisiana.....	12,390	3,131	2,062	381	13,608	413	3,652	8,871	607	8,503	382	54,000	21,255	5,550	1,659
Oklahoma.....	5,688	95,047	57,304		1,620		22,998	21,116	2,607	14,139	2,919	223,438	127,210	11,878	9,577
Texas.....	6,067	216,053	21,540	356	9,334	477	42,541	44,432	36,947	72,422	7,302	457,471	196,310	12,232	15,571
Total-Region 7	28,823	352,152	129,799	737	24,738	5,825	75,072	91,583	40,901	109,390	11,132	870,152	389,718	32,560	35,426
Montana.....	600	388	5,447		528		2,759	542	900	10	1,254	12,428	33,069	2,139	3,592
Idaho.....	27	156	1,355		200		430	213	1,451	51	1,930	5,813	15,236	667	586
Wyoming.....	45	177	368		26		271	63		3	85	1,038	1,785	128	775
Colorado.....	184	6,945	5,899		437		3,972	1,512	752	448	655	20,804	49,399	3,532	6,092
New Mexico.....	45	12,527	983	25	21	10	968	538	239	196	28	15,580	12,582	626	871
Arizona.....	1	17,287	1,055		264	3	1,548	1,042	1,151	1,085	4,041	27,477	19,238	1,518	2,137
Utah.....		1,316	15,082				11,275	4,559			24,323	56,555	17,074	542	331
Nevada.....	450	506	465		715	520	755	500	675	680	720	5,986	1,637	235	546
Total-Region 8	1,352	39,302	30,654	25	2,191	533	21,978	8,969	5,168	2,473	33,036	145,681	150,020	9,387	14,930
Washington.....	3,765	110	930	38	1,080	91	6,537	3,502	15,580	398	12,895	45,026	92,538	5,213	8,851
Oregon.....	265	120	1,800		650	286	3,006	2,345	10,297	263	9,318	28,350	50,383	4,533	5,616
California.....	3,913	12,854	9,944	544	7,243	6,658	20,359	11,252	34,206	7,514	98,624	213,111	263,285	41,951	61,570
Total-Region 9	7,943	13,084	12,674	582	8,973	7,035	29,902	17,099	60,183	8,175	120,837	286,487	406,206	51,697	76,037
Grand total.....	1,100,444	730,359	632,952	139,503	168,128	226,440	575,486	350,153	148,794	324,254	253,773	4,700,286	5,129,925	356,993	1,093,628

1/ Includes Delaware

2/ Includes District of Columbia

Source: Survey made by Cooperative Research and Service Division, 1940.

Table 7 - Comparison of Volume Reported by the 14 Leading States in 1930-31 and 1939-40 (In thousand bags)

1930-31	1939-40
Texas.....544	New York.....512
Missouri.....369	Texas.....457
Illinois.....302	Tennessee.....275
Kentucky.....298	Pennsylvania.....248
New York.....283	Oklahoma.....212
Ohio.....270	California.....209
Tennessee.....270	Kentucky.....208
Pennsylvania.....254	Illinois.....190
Oklahoma.....221	Ohio.....185
Indiana.....199	Missouri.....172
California.....188	Virginia.....167
Arkansas.....179	West Virginia.....134
West Virginia.....164	Arkansas.....134
Virginia.....161	Georgia.....132

Source, 1930-31: Distribution of Dry Beans by Commercial Classes as reported by Wholesale Grocers - Compiled by J. E. Barr, Marketing Specialist, and J. A. Thompson, Junior Agronomist, U. S. Dept. of Agr., April 1932 (Mimeo.)

Source, 1939-40: Survey made by Cooperative Research and Service Division, 1940.

Table 8 - Distribution of Dry Beans by Commercial Classes as Reported by Wholesale Grocers, 1930-31 and 1939-40

Class	Bags reported 1939-40	Percentage of total	Bags reported 1930-31	Percentage of total
Pea beans and medium white	1,075,567	23.4	898,000	16.9
Pinto	772,528	16.8	1,357,000	25.4
Great Northern	622,758	13.6	1,123,000	21.0
Standard lima	547,697	11.9	489,000	9.1
Baby lima	339,856	7.4	290,000	5.4
Blackeye	321,571	7.0	323,000	6.0
Cranberry	222,028	4.8	78,000	1.5
Red kidney	160,726	3.5	76,000	1.4
Small white	146,573	3.2	187,000	3.5
White marrow	137,433	3.0	48,000	0.9
Pink	105,336	2.3	160,000	3.0
Small red	97,938	2.1	96,000	1.8
Yelloweye	44,643	.97	38,000	0.7
White kidney	0	0	37,000	0.7
Large white	0	0	34,000	0.7
Other classes	3,405	.03	110,000	2.0
TOTAL	4,598,059	100.0	5,344,000	100.0

Source, 1930-31: Distribution of Dry Beans by Commercial Classes as reported by Wholesale Grocers - Compiled by J. E. Barr, Marketing Specialist, and J. A. Thompson, Junior Agronomist, U. S. Dept. of Agr., April 1932 (Mimeo).

Source, 1939-40: Survey made by Cooperative Research and Service Division, 1940.

Table 9 - Distribution of Dry Beans in Packages in the 15 Leading States by
1,544 Wholesale Grocers, Year Ended June 30, 1940

State	100-lb. bag equivalents
Illinois	18,115
Virginia	15,875
Ohio	12,309
Oklahoma	11,110
New York	6,947
Indiana	6,762
California	3,940
South Dakota	3,827
Kentucky	2,480
Massachusetts	2,440
Kansas	1,945
Pennsylvania	1,886
North Carolina	1,800
Montana	1,795
Maine	1,375
TOTAL	92,606

Source: Survey made by Cooperative Research and Service Division, 1940.

Table 10 - Distribution of Dry Beans by Commercial Classes and by Type of Concern,
Year Ended June 30, 1940 (100-pound bags)

Class	Independent Wholesalers	Chain Wholesalers
Pinto	603,897	176,462
Great Northern	472,505	160,447
Pea Bean	424,173	676,271
Standard Lima	281,707	293,779
Baby Lima	226,434	123,719
Blackeye	219,565	104,689
Cranberry	159,903	66,537
Small White	38,356	60,438
Pink	70,780	35,216
Red Kidney	69,626	98,502
Small Red	56,954	41,438
White Marrow	34,039	105,464
Yelloweye	23,169	22,793
Other	2,305	1,118
TOTAL	2,733,413	1,966,873

Source: Survey made by Cooperative Research and Service Division, 1940.

Table 6 - Distribution of dry beans and canned dry beans by 1,544 wholesale grocers, by geographic regions and States, during year ended June 30, 1940

Regions and States	Pea beans: medium white	Pinto	Great Northern	White marrow	Red kidney	Cran- berry	Standard lima	Baby lima	Small white	Black- eye	Other classes	Total dry beans	Canned : pork & beans baked	Canned : dry lima beans	Canned : kidney beans
	100 lb. bags	100 lb. bags	100 lb. bags	100 lb. bags	100 lb. bags	100 lb. bags	100 lb. bags	100 lb. bags	100 lb. bags	100 lb. bags	100 lb. bags	100 lb. bags	Cases (48 cans)	Cases (24 cans)	Cases (24 cans)
Kentucky.....	38,589	80,879	41,092	1,185	1,751	24,880	9,712	5,589	173	2,607	1,257	207,714	92,230	5,191	12,517
Tennessee.....	20,040	60,225	98,603	1,200	806	42,181	7,431	15,553		20,934	8,079	275,052	73,993	8,143	17,116
Alabama.....	6,635	6,776	4,777	300	1,303	477	6,054	10,972	33	12,979	859	51,165	29,598	1,401	1,579
Mississippi.....	839	3,291	2,317		1,686	250	491	6,213	103	12,301	96	27,587	24,455	5,559	1,065
Total-Region 6 :	66,103	151,171	146,789	2,685	5,546	67,788	23,688	38,327	309	48,821	10,291	561,518	220,276	20,294	32,277
Arkansas.....	4,678	37,921	48,893		176	4,935	5,881	17,164	740	14,326	529	135,243	44,943	2,900	8,619
Louisiana.....	12,390	3,131	2,062	381	13,608	413	3,652	8,871	607	8,503	382	54,000	21,255	5,550	1,659
Oklahoma.....	5,688	95,047	57,304		1,620		22,998	21,116	2,607	14,139	2,919	223,438	127,210	11,878	9,577
Texas.....	6,067	216,053	21,540	356	9,334	477	42,541	44,432	36,947	72,422	7,302	457,471	196,310	12,232	15,571
Total-Region 7 :	28,823	352,152	129,799	737	24,738	5,825	75,072	91,583	40,901	109,390	11,132	870,152	389,718	32,560	35,426
Montana.....	600	388	5,447		528		2,759	542	900	10	1,254	12,428	33,069	2,139	3,592
Idaho.....	27	156	1,355		200		430	213	1,451	51	1,930	5,813	15,236	667	586
Wyoming.....	45	177	368		26		271	63		3	85	1,038	1,785	128	775
Colorado.....	184	6,945	5,899		437		3,972	1,512	752	448	655	20,804	49,399	3,532	6,092
New Mexico.....	45	12,527	983	25	21	10	968	538	239	196	28	15,580	12,582	626	871
Arizona.....	1	17,287	1,055		264	3	1,548	1,042	1,151	1,085	4,041	27,477	19,238	1,518	2,137
Utah.....		1,316	15,082				11,275	4,559			24,323	56,555	17,074	542	331
Nevada.....	450	506	465		715	520	755	500	675	680	720	5,986	1,637	235	546
Total-Region 8 :	1,352	39,302	30,654	25	2,191	533	21,978	8,969	5,168	2,473	33,036	145,681	150,020	9,387	14,930
Washington.....	3,765	110	930	38	1,080	91	6,537	3,502	15,680	398	12,895	45,026	92,538	5,213	8,851
Oregon.....	265	120	1,800		650	286	3,006	2,345	10,297	263	9,318	28,350	50,383	4,533	5,616
California.....	3,913	12,854	9,944	544	7,243	6,658	20,359	11,252	34,206	7,514	98,624	213,111	263,285	41,951	61,570
Total-Region 9 :	7,943	13,084	12,674	582	8,973	7,035	29,902	17,099	60,183	8,175	120,837	286,487	406,206	51,697	76,037
Grand total.....	1,100,444	780,359	632,952	139,503	168,128	226,440	575,486	350,153	148,794	324,254	253,773	4,700,286	5,129,925	356,993	1,093,628

1/ Includes Delaware

2/ Includes District of Columbia

Source: Survey made by Cooperative Research and Service Division, 1940.

Table 11- Distribution of commercial classes of dry beans by geographic regions and type of concern, with percentage of total distributed by independent and chain wholesales, year ended June 30, 1940

(100-pound bags)

Commercial classes of dry beans	Region 1		Region 2		Region 3		Region 4		Region 5		Region 6		Region 7		Region 8		Region 9		Total	
	Me., N.H., Vt., Mass., R.I., Conn.		N.Y., N.J., Pa. 1/		Ohio, Ind., Ill., Mich., Wis.		Minn., Ia., Mo., N.Dak., S.Dak., Nebr., Kans.		Md. 2/ Va., W.Va., N.C., S.C., Ga., Fla.		Ky., Tenn., Ala., Miss.		Ark., La., Okla., Tex.		Mont., Idaho, Wyo., Colo., N.Mex. Ariz., Utah, Nev.		Wash., Oreg., Calif.		Total	
	Ind.	Chain	Ind.	Chain	Ind.	Chain	Ind.	Chain	Ind.	Chain	Ind.	Chain	Ind.	Chain	Ind.	Chain	Ind.	Chain	Ind.	Chain
Pea beans.....	19,048	52,558	66,450	295,917	138,341	178,448	56,705	30,086	77,054	81,616	45,686	20,417	15,972	12,851	901	451	4,016	3,927	424,173	676,271
Pinto.....		2,627	300	11,562	16,029	15,865	32,878	9,607	91,260	44,522	137,726	13,445	298,715	53,437	19,375	19,927	7,614	5,470	603,897	176,462
Great Northern..		2,999	6,068	12,087	51,993	23,445	113,791	42,808	35,884	23,961	126,476	20,313	108,894	20,905	22,739	7,915	6,660	6,014	472,505	160,447
White marrow....	50	2,635	26,867	83,799	4,635	11,851	39	1,463	313	3,822	1,810	875		737	25		300	282	34,039	105,464
Red kidney.....	5,907	12,546	7,614	39,032	20,901	19,144	4,446	4,071	3,311	9,708	2,909	2,637	18,913	5,825	1,169	1,022	4,456	4,517	69,626	98,502
Small red.....		1,699	100	6,837	6,367	5,596	4,546	3,736	977	2,322	2,440	698	2,759	918	24,855	2,002	14,910	17,630	56,954	41,438
Cranberry.....	111	2,561	6,078	12,432	11,317	10,528	3,531	1,567	70,639	26,495	58,309	9,479	5,449	376	533		3,936	3,099	159,903	66,537
Standard lima....	1,277	12,383	44,756	137,896	42,671	40,546	39,497	13,712	47,321	44,787	16,267	7,421	56,947	18,125	16,694	5,284	16,277	13,625	281,707	293,779
Baby lima.....	855	4,996	10,625	27,220	11,189	18,457	15,402	7,864	62,755	34,812	31,378	6,949	78,124	13,459	7,210	1,759	8,896	8,203	226,434	123,719
Small white.....	14,463	16,035	1,105	1,069	2,057	793	952	3,489	405	1,865	103	206	32,547	8,354	3,032	2,136	33,692	26,491	88,356	60,438
Pink.....		8	52	37	979	79	427	1,084	981	1,917	150	28	4,537	1,960	2,527	3,272	61,127	26,831	70,780	35,216
Blackeye.....	125	2,504	3,875	24,133	7,008	9,344	4,683	2,754	62,219	38,750	39,501	9,320	95,917	13,473	1,257	1,216	4,980	3,195	219,565	104,689
Yelloweye.....	8,404	8,616	544	1,542	46	1,119	2	215	10,147	8,595	3,379	2,564	342	103	5		300	39	23,169	22,793
Other dry beans..			114		311	350	678			50	314	718	513		375				2,305	1,118
Total.....	50,240	122,167	174,548	653,563	313,844	335,565	277,577	122,456	463,266	323,222	466,448	95,070	719,629	150,523	100,697	44,984	167,164	119,323	2,733,413	1,966,873
Total - Ind. & Chain	172,407		828,111		649,409		400,033		786,488		561,518		870,152		145,681		286,487		4,700,286	
Percentage of total.....	29.14	70.86	21.08	78.92	48.33	51.67	69.39	30.61	58.90	41.10	83.07	16.93	82.70	17.30	69.12	30.88	58.35	41.65	58.15	41.85

1/ Includes Delaware

2/ Includes District of Columbia

Source: Survey made by Cooperative Research and Service Division, 1940

Table 12 - Distribution by trading areas of dry beans by commercial classes,^{1/} canned dry beans, by 1,544 wholesale grocery agencies, year ended June 30, 1940

No.	Trading Areas Principal cities	Pea beans:										Other :	Total :	Canned :	Canned :	Canned :
		medium white	Pinto	Great Northern	White marrow	Red kidney	Cran- berry	Standard lima	Baby lima	Small white	Black- eye	dry beans	dry beans	pork & beans baked beans	dry lima beans	kidney beans
		Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Cases (48 cans)	Cases (24 cans)	Cases (24 cans)
1	Bangor, Me.	3,524:				146:			2:	3,711:		2,092:	9,475:	6,966:	60:	880
2	Portland-Lewiston, Me.	9,772:	566:	646:	521:	2,230:	551:	1,454:	1,047:	3,793:	523:	2,094:	23,197:	49,402:	1,189:	927
3-4	Laconia, Franklin, Keene, Manchester,															
	Nashua, N. H.	1,820:				1,050:	1:	42:	73:	775:		345:	4,106:	8,637:	130:	1,504
5-6	Burlington, Barre, Montpelier, St. Johns- bury, Rutland, White- River Junction, Vt.															
		1,470:			3:	20:			15:			1,250:	2,758:	3,957:	100:	375
7	Boston, Brockton, Fall River, Lawrence, New Bedford, Mass.															
		30,028:	952:	1,087:	877:	10,460:	979:	6,443:	2,362:	18,204:	1,030:	8,173:	80,595:	226,683:	2,376:	4,285
8	Worcester, Mass.	4,623:			2:	1,112:		1,795:	135:	1,123:		1,833:	10,623:	36,757:	524:	1,440
9-10	Springfield, Pitts- field, N. Adams, Mass.															
		8,692:	383:	438:	398:	906:	384:	1,231:	748:	169:	380:	1,169:	14,898:	22,815:	1,809:	1,293
11	Providence, R.I.	6,080:	373:	425:	343:	1,639:	413:	1,362:	654:	2,669:	344:	1,362:	15,664:	39,753:	2,845:	16,065
12-	New London, Hartford,															
13-	New Haven, Bridge-															
14-	port, Conn.															
15-		5,597:	353:	403:	541:	890:	344:	1,333:	815:	54:	352:	409:	11,091:	17,271:	974:	873
16	New York City, Jersey City, N.J.															
		194,047:	3,942:	4,930:	70,457:	25,994:	4,112:	114,277:	14,798:	489:	17,770:	3,700:	454,516:	249,629:	5,456:	31,246
17	Albany, Troy, Schenectady, Amster- dam, N.Y.															
		12,114:	591:	674:	1,326:	1,337:	585:	1,847:	1,230:	297:	581:	591:	21,173:	30,038:	1,360:	3,050
18	Plattsburg, Ogdens- burg, N.Y.															
		606:				32:			10:	19:		5:	672:	2,619:	20:	371
19	Utica, N.Y.	1,331:			202:	22:		116:	62:	29:		114:	1,876:	4,183:	667:	1,188
20	Syracuse, N.Y.	9,731:	472:	689:	1,229:	1,052:	460:	1,790:	1,087:	168:	436:	368:	17,482:	28,175:	4,232:	5,191
21	Binghamton, Elmira, N.Y.	2,214:		1,723:	749:	86:		757:	110:	185:			5,824:	15,077:	2,698:	4,656
22	Rochester, N.Y.	3,825:			784:	23:		544:	115:			10:	5,301:	42,625:	2,825:	3,170
23	Buffalo, N.Y.	13,965:	607:	693:	5,113:	1,714:	850:	3,345:	1,880:	346:	763:	493:	29,769:	320,715:	5,535:	27,591
24	Newark, Trenton, N.J.	19,614:	1,137:	1,573:	2,987:	3,053:	1,368:	7,591:	3,495:	165:	1,601:	886:	43,470:	83,967:	4,072:	6,138
25	Philadelphia, Camden, N.J., Reading, Berks, Pa.															
		27,956:	1,048:	1,197:	8,202:	3,969:	1,057:	16,488:	5,171:	106:	3,064:	817:	69,075:	208,144:	5,285:	36,273
26	Scranton, Wilkes- Barre, Pa.															
		18,122:	865:	1,236:	14,629:	1,991:	1,763:	7,362:	2,213:	72:	693:	567:	49,513:	60,468:	1,508:	8,819
28	Harrisburg, York, Pa.	3,325:	25:	185:	660:	125:		1,840:	193:		10:		6,363:	7,710:	250:	2,530
27-	Williamsport,															
29	Altoona, Philipsburg, BuBois, Johnstown,															
	Bedford, Pa.	16,154:	445:	530:	1,699:	1,694:	1,064:	7,837:	2,863:	43:	462:	330:	33,121:	60,740:	1,206:	9,453

Continued

Table 12 - Distribution by trading areas of dry beans by commercial classes 1/ canned dry beans, by 1,544 wholesale grocery agencies,
year ended June 30, 1940 - continued

Trading Areas		Pea beans:						Standard:	Baby	Small	Black-	Other	Total	Canned	Canned	Canned
No.	Principal cities	medium white	Pinto	Great	White	Red	Cran-	lima	lima	white	eye	dry	dry	pork & beans	Canned dry lima	Canned kidney
				Northern	marrow	kidney	berry					beans	beans	baked beans	beans	beans
		<u>Bags</u>	<u>Bags</u>	<u>Bags</u>	<u>Bags</u>	<u>Bags</u>	<u>Bags</u>	<u>Bags</u>	<u>Bags</u>	<u>Bags</u>	<u>Bags</u>	<u>Bags</u>	<u>Bags</u>	Cases (48 cans)	Cases (24 cans)	Cases (24 cans)
31	New Castle,															
32	Pittsburgh, Pa.	39,108	2,727	4,700	2,599	5,504	7,251	18,603	4,588	255	2,567	1,345	89,247	195,252	7,261	106,006
33	Cleveland, Akron, Canton, Mansfield, Youngstown, Ohio	29,725	1,258	4,195	5,919	3,893	3,048	12,107	4,868	114	2,676	1,504	69,307	107,161	9,148	85,303
34	Columbus, Zanesville, Ohio	35,981	5,649	2,207	1,625	2,567	5,612	7,256	1,476	1,431	783	667	65,254	57,295	6,216	31,309
35	Toledo, Lima, Ohio	15,816	787	1,117	1,706	1,038	428	4,142	991	43	619	728	27,415	34,718	3,698	18,863
36	Cincinnati, Dayton, Ohio	21,764	5,045	2,679	2,255	1,403	2,066	4,403	1,667	40	499	220	42,041	72,382	13,596	46,597
37	Ft. Wayne, South															
38	Bend, Ind.	12,726	930	5,010		273	340	4,990	805		147	1,055	26,276	64,510	7,905	32,090
39	Indianapolis, Muncie, Lafayette, Terre Haute, Ind.	38,123	7,453	11,038	808	2,671	3,561	9,846	3,021	325	1,204	1,018	79,068	71,212	6,334	18,831
40	Evansville, Vincennes, Ind.	9,650	2,785	4,870		30	1,432	1,033	480		105	30	20,415	9,400	700	5,500
41	Chicago, Rockford, Joliet, Ill.	52,201	3,990	25,155	2,086	21,000	3,578	20,997	6,332	241	6,159	5,279	147,018	180,099	24,329	90,499
42	Peoria, Ill.	7,143	468	1,339		136		1,578	483	20	13	112	11,292	19,621	298	11,079
43	Danville, Spring-															
44	field, Decatur,															
45	Quincy, Ill.	16,471	1,587	4,220		568	180	3,475	1,980	675	192	923	30,271	58,672	2,365	25,249
46	Detroit, Hamtramck, Pontiac, Ann Arbor, Jackson, Mich.	21,514	1,773	3,063	1,065	2,621	1,136	5,147	2,336	259	1,648	1,216	41,778	68,950	4,913	30,179
48	Flint, Saginaw,															
49	Bay City, Mich.	6,755	300	613		71		1,456	168		75	25	9,463	12,905	950	7,437
50	Grand Rapids, Muskegon, Mich.	15,222	701	1,981	557	1,558	635	2,562	2,153	295	652	496	26,812	40,279	7,965	15,931
51	Marquette, Hancock,															
52	Houghton, Ironwood, Mich.	5,001		390		155	25	63	73				5,707	12,792	265	2,088
53	Milwaukee, LaCrosse,															
54	Wis.	20,546	927	2,357	760	1,758	835	2,615	1,609	82	774	823	33,086	79,431	4,155	33,064
55	Green Bay, Wis.	5,400	92	179		90		68	41			364	6,234	21,991	265	5,523
56	Mausau, Stevens Point, Wis.	2,490		153		112		70	23				2,848	13,725	195	5,338
57	Duluth, Minn., Superior, Wis.	2,068	48	958	91	73	15	255	45	70	1	185	3,809	15,260	410	2,533
58	Minneapolis, St. Paul, Minn.	13,995	559	3,659	35	591		2,141	743	120	30	910	22,783	133,297	8,769	26,825
59	Winona, Minn.	1,085	74	534		28		238	198			41	2,198	14,427	817	3,436

Continued

Table 12 - Distribution by trading areas of dry beans by commercial classes 1/ canned dry beans, by 1,544 wholesale grocery agencies,
year ended June 30, 1940 - continued

Trading Areas		Pea beans:										Other :	Total	Canned	Canned:	Canned
No. : Principal cities		medium	Pinto	Great	White	Red	Cran-	Standard:	Baby	Small	Black-	dry	dry	pork&beans	dry lima	Canned
		white		Northern	marrow	kidney	berry	lima	lima	white	eye	beans	beans	baked beans	beans	beans
		Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Cases	Cases	Cases
														(48 cans)	(24 cans)	(24 cans)
60-	Dubuque, Waterloo,															
63-	Cedar Rapids, Iowa															
64 :		2,870:	42:	535:		30:		450:	230:		3:	15:	4,175:	9,240:	795:	3,315
61-	Davenport, Burlington,															
62 :	Iowa	1,225:	145:	206:		20:		526:	146:			34:	2,302:	8,019:	161:	2,720
65 :	Ottumwa, Iowa	3,159:	645:	1,097:				1,033:	653:			30 :	6,617:	4,875:	220:	1,490
66-	Mason City,															
67 :	Des Moines, Iowa	13,370:	873:	4,004:	475:	1,004:	503:	2,312:	1,170:	331:	487:	415:	24,944:	117,751:	13,428:	22,480
68 :	Sioux City, Iowa	2,005:	138:	4,150:		8		268:	231:			50:	6,850:	27,937:	1,815:	3,718
69 :	St. Louis, Mo.	19,972:	5,543:	24,837:	664:	2,029:	2,711:	19,042:	7,212:	302:	5,362:	1,960:	89,634:	95,856:	11,638:	16,877
70 :	St. Joseph, Mo.	510:	900:	1,510:				471:	431:		25:	367:	4,214:	6,385:	750:	1,220
71 :	Kansas City, Mo.,															
	Kansas City, Kans.	22,992:	10,427:	13,197:	262:	4,049:	282:	5,438:	3,060:	2,018:	809:	3,887:	66,421:	58,832:	4,957:	10,373
72 :	Springfield, Mo.	1,350:	11,076:	12,952:		2:	1,751:	571:	428:		247:	240:	28,617:	18,192:	1,156:	1,804
73 :	Joplin, Mo.	650:	2,853:	2,825:				478:	655:		57:	175:	7,693:	6,300:	328:	475
74-	Grand Forks, Fargo,															
75 :	Jamestown, Valley															
	City, N. Dak.	350:	195:	667:		1:		71:	55:				1,339:	8,914:	336:	1,333
76 :	Minot, N. Dak.	205:	400:	816:		418:		718:	511:	4:		222:	3,294:	5,193:	90:	743
77 :	Bismarck, N. Dak.	16:	6:	502:					6:				530:	5,185:	89:	513
78 :	Sioux Falls, S. Dak.	4,845:	10:	24,725:		33:		1,734:	1,127:			24:	32,498:	14,568:	665:	2,395
79 :	Aberdeen, S. Dak.			944:		7:		48:	22:				1,021:	8,852:	505:	1,137
80 :	Rapid City, Deadwood,															
	S. Dak.		40:	515:		10:		6,792:	1,005:			25:	8,387:	3,482:	80:	682
81 :	Omaha, Nebr.,															
	Council Bluffs, Iowa	985:	688:	16,498:		412:		3,876:	1,132:	362:	335:	565:	24,853:	46,386:	2,096:	9,909
82 :	Lincoln, Nebr.	212:	473:	11,595:		138:		1,298:	699:	134:	14:	336:	14,899:	35,923:	1,774:	6,755
83 :	Grand Island,															
	Hastings, Nebr.		567:	6,704:		8:		1,591:	1,340:		2:	210:	10,422:	26,106:	1,504:	6,160
84 :	Topeka, Salinas, Kans.	544:	1,504:	7,295:				838:	734:	300:	86:	727:	12,028:	23,873:	1,465:	2,994
85-	Coffeyville,															
86 :	Independence, Wichita,															
	Hutchinson, Kan.	180:	10,581:	25,491:		10:	20:	4,738:	2,487:	125:	503:	677:	44,812:	70,751:	4,308:	10,799
87-	Wilmington, Dover,															
88 :	Del., Baltimore,															
	Hagerstown, Frederick,															
	Salisbury, Md.	33,482:	1,294:	3,369:	1,858:	3,763:	3,021:	18,358:	5,508:	81:	4,391:	949:	76,074:	109,539:	4,908:	8,559
89 :	Cumberland, Md.	3,150:		125:	10:	70:	1,375:	1,035:	80:				5,845:	2,500:	80:	700
90:	Washington, D.C.,															
	Fredericksburg,															
	Winchester, Va.	6,150:	984:	4,739:		718:	2,600:	4,168:	1,707:		1,059:	141:	22,266:	61,549:	950:	11,114
91 :	Richmond, Peters-															
	burg, Charlottes-															
	ville, Va.	14,732:	2,922:	2,441:	394:	968:	3,187:	2,857:	5,186:	1,123:	3,597:	795:	38,202:	41,610:	6,733:	2,332

Continued

Table 12 - Distribution by trading areas of dry beans by commercial classes 1/ canned dry beans, by 1,544 wholesale grocery agencies, year ending June 30, 1940 - continued

No.	Trading Areas Principal cities	Pea beans:										Other	Total	Canned	Canned	Canned
		medium white	Pinto	Great Northern	White marrow	Red kidney	Cran- berry	Standard lima	Baby lima	Small white	Black- eye	dry beans	dry beans	port & baked beans	dry lima beans	kidney beans
		Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Cases (48 cans)	Cases (24 cans)	Cases (24 cans)
92	Norfolk, Va.	11,147	5,260	3,676		680	113	5,295	9,177		9,867	613	45,828	47,055	3,485	1,048
93	Lynchburg, Danville, Va.	3,450	6,420	2,260		50	1,840	900	3,082		1,590	500	20,092	12,100	2,455	300
94	Roanoke, Va.	6,114	12,783	2,149		30	20,541	5,348	1,884	50	1,179	3,402	53,480	11,118	805	1,300
95	Wheeling, Clarksburg,															
96	Fairmont, W. Va.	8,475	400	1,370	175	530	2,708	1,580	735	50	25	50	16,098	8,644	513	6,075
98	Charleston, W. Va.	17,786	28,805	4,964		480	35,301	6,262	1,081	80	797	3,467	99,023	19,739	675	3,365
99	Huntington, W. Va., Ashland, Ky.	10,013	24,598	5,984		210	8,808	2,294	505		10		52,422	5,155	100	800
100	Wilmington, N. C.	410	440	105				160	3,715		1,422	50	6,302	9,955	900	25
101	Durham, Raleigh, N.C.	1,232	2,592	1,019			156	380	1,954		1,573		8,906	4,332	800	130
102	Winston-Salem, Greensboro, N. C.	1,790	13,454	3,692		122	639	1,613	2,476	150	2,183	220	26,339	19,001	2,158	383
103	Charlotte, N.C.	11,114	9,689	2,677	641	1,389	1,353	3,784	3,534	219	2,989	1,184	38,573	30,756	1,567	705
104	Asheville, N.C.	1,205	4,935	1,555		56	4,120	301	441		850	3,300	16,763	2,775	455	240
105	Charleston, Columbia, S. C.	1,185	765	110		290	50	2,105	8,963		6,930	150	20,548	13,232	2,275	640
107	Greenville, Spartanburg, S.C.	3,480	14,011	2,740		125	1,425	6,104	5,423	75	5,481	3,103	41,967	32,582	1,700	960
108	Atlanta, Rome, Athens, Ga.	11,825	10,392	7,444	506	1,824	1,667	16,568	14,200	56	27,600	3,222	95,304	57,318	1,284	5,134
109	Augusta, Ga.	5,000	5,037	1,000				350	2,332		2,870	175	16,764	3,485	90	160
110	Savannah, Ga.	389	199	382				833	2,675		2,649		7,127	2,457	25	75
111	Macon, Ga.		24					120	790	325	2,555		3,814	1,875	400	100
112	Columbus, Americus, Albany, Ga.	230	169	150		1		1,042	2,924		2,971	1,400	8,887	4,560	15	485
113	Jacksonville, Orlando, Fla.	8,685	987	4,666	554	1,394	586	4,629	7,831	61	7,120	583	37,096	30,970	4,867	2,538
114	Miami, Fla.	722	35	1,720	27	245		2,927	3,637		5,150	88	14,551	12,375	1,140	5,649
115	Tampa, Fla.	826	54	2,719		117		2,879	3,689		3,223	82	13,589	15,687	1,455	5,206
116	Pensacola, Fla.	946	300	380		7		589	2,878		2,894	20	8,014	2,900	200	590
117	Lexington, Ky.	4,922	35,118	10,126	250	85	4,727	1,804	340	110	20		57,502	17,400	1,810	2,430
118	Louisville, Ky.	19,923	15,393	15,112	575	1,342	8,524	5,743	4,177	63	1,856	727	73,435	53,358	1,141	6,257
119	Paducah, Ky.	3,520	3,027	16,497		36	3,699	654	1,817		1,525	86	30,861	10,045	1,695	1,630
120	Knoxville, Tenn.	3,913	29,503	15,496	40	141	33,101	2,251	2,029		880	5,357	92,711	21,470	650	2,488
121	Chattanooga, Tenn.	200	6,385	4,820		65	900	1,194	1,060		705	625	15,954	3,285	1,748	1,132
122	Nashville, Tenn.	12,876	31,798	54,416	1,200	435	18,579	4,675	7,419		6,544	3,677	141,619	38,544	1,700	7,204
123	Memphis, Tenn.	3,986	11,330	36,996		250	6,800	685	7,814		17,800	917	86,578	28,599	5,390	8,530
124	Birmingham, Ala.	4,664	6,326	4,372	300	671	427	3,887	2,648	33	3,118	669	27,115	17,138	551	754
125	Montgomery, Ala.	840	80	115		55		335	5,285		6,560		13,270	5,500	700	375
126	Selma,															
127	Mobile, Ala.	1,131	160	245		577	50	1,817	3,049		3,351	155	10,535	7,080	100	475

Continued

Table 12 - Distribution by trading areas of dry beans by commercial classes 1/ canned dry beans, by 1,544 wholesale grocery agencies, year ended June 30, 1940 - continued

No.	Trading Areas Principal cities	Pea beans:											Total dry beans	Canned pork & beans: baked beans	Canned dry lima beans	Canned kidney beans
		medium	Pinto	Great	White	Red	Cran-	Standard	Baby	Small	Black-	Other				
		white		Northern	marrow	kidney	berry	lima	lima	white	eye	beans				
		Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Cases (48 cans)	Cases (24 cans)	Cases (24 cans)
128-	Meridian, Jackson,															
129	Miss.	274:	212:	100:		875:		385:	2,033:		2,879:	20:	6,778:	3,941:	2,532:	193
130	Vickeburg, Natchez,															
	Miss.	275:	908:	830:		456:		5:	2,382:	81:	4,208:	33:	9,178:	15,889:	1,975:	385
131	Little Rock,															
	Pine Bluff, Ark.	2,918:	12,466:	19,586:		151:	1,620:	2,346:	11,264:	595:	10,836:	4:	61,786:	23,020:	1,300:	6,316
132	Fort Smith, Ark.	950:	15,300:	9,200:			100:	2,725:	3,020:		1,375:		32,670:	8,975:	1,035:	395
133	Texarkana, Ark.	240:	3,525:	1,937:		25:	625:	660:	2,375:	145:	1,695:	25:	11,252:	1,390:	50:	90
134	New Orleans,															
135	Baton Rouge, La.	11,510:	732:	760:	381:	13,314:	403:	2,973:	4,552:	164:	4,310:	322:	39,421:	18,740:	5,052:	1,311
136	Lake Charles,															
137	Alexandria, La.	315:	660:	480:		235:		35:	1,975:	440:	1,655:	10:	5,805:	900:	195:	75
138	Monroe, La.	540:	1,114:	722:		344:		570:	1,624:		1,920:	50:	6,884:	1,091:	430:	205
139	Shreveport, La.	35:	2,308:	200:		37:	86:	530:	1,379:	50:	24,187:	59:	28,871:	1,292:	30:	110
140-	Tulsa, Muskogee,															
141	Okla.	4,850:	22,150:	14,507:		668:		3,433:	3,503:		4,613:	1,152:	54,876:	25,833:	1,970:	2,863
142	McAlester, Ada,															
	Durant, Hugo, Okla.	148:	26,902:	13,900:		40:		3,047:	3,071:	364:	1,556:	285:	49,313:	27,338:	1,645:	1,390
143-	Enid, Oklahoma City:															
144	Okla.	690:	35,245:	26,747:		912:		14,018:	11,492:	243:	4,970:	1,332:	95,649:	53,839:	8,188:	5,174
145-	Beaumont, Houston,															
146	Galveston, Texas	500:	59,566:	5,154:		6,566:	25:	7,091:	23,338:	16,635:	27,552:	3,563:	149,990:	61,995:	3,465:	5,215
147	Dallas, Corsicana,															
	Paris, Sherman,															
	Tyler, Texas	5,402:	60,165:	8,898:	356:	1,852:	376:	19,562:	14,970:	13,718:	13,560:	1,647:	140,506:	72,115:	2,166:	3,250
148	Fort Worth, Texas		17,469:	2,965:		288:		6,043:	2,818:	4,500:	4,234:	827:	39,144:	19,293:	3,633:	4,218
149	Waco, Texas	25:	5,811:	527:		128:		1,939:	1,029:	817:	1,162:	20:	11,458:	9,899:	110:	387
150	Austin, Texas		2,917:	162:				465:	344:	151:	343:		4,382:	3,035:	10:	25
151	San Antonio, Texas	60:	28,299:	1,025:		75:		1,674:	819:	756:	1,635:	230:	34,573:	8,204:	1,076:	870
152-	Corpus Christi,															
153	Brownsville,															
	Laredo, Texas	50:	12,430:	380:		40:		512:	235:	200:	480:	15:	14,342:	3,800:	440:	190
154	Wichita Falls, Texas		1,121:	218:		30:		395:	120:	215:	185:	20:	2,304:	962:	20:	15
155	Abilene, Texas		5,585:	551:		19:		1,617:	697:	380:	504:	210:	9,563:	6,953:	158:	160
156	San Angelo,															
	Brownwood, Texas		8,453:	464:		148:		1,431:	498:	283:	794:	160:	12,231:	7,175:	225:	235
157-	Amarillo, Lubbock,															
158	Texas		6,285:	2,028:		146:		2,652:	1,074:	466:	350:	227:	13,228:	12,300:	680:	590
159	El Paso, Texas	20:	17,690:	1,182:		37:		1,574:	1,185:	825:	1,252:	492:	24,257:	10,474:	385:	574
160	Billings, Mont.	330:	437:	2,042:		80:		360:	120:	145:	10:	378:	3,902:	11,140:	880:	1,630
161-	Great Falls, Havre,															
162-	Helena, Mont., Casper															
167	Sheridan, Wyo.	265:	45:	2,095:		250:		1,855:	351:	285:		245:	5,391:	11,299:	840:	1,502

Continued

Table 13 - U. S. Foreign Trade in Dry Beans

(Thousand 100-pound bags)

<u>Year</u>	<u>Exports</u>	<u>Imports</u>
1929	170	1,459
1930	174	787
1931	87	115
1932	79	102
1933	69	159
1934	55	389
1935	87	152
1936	26	587
1937	88	106
1938	298	65
1939	793	68

Source: Agricultural Statistics, U. S. Dept. of Agr. 1941, p. 293.

Table 12 - Distribution by trading areas of dry beans by commercial classes 1/ canned dry beans, by 1,544 wholesale grocery agencies, year ended June 30, 1940 - continued

Trading areas No.: Principal cities	Pea beans:																	
	medium white	Pinto	Great Northern	White marrow	Red kidney	Cran- berry	Standard lima	Baby lima	Small white	Black- eye	Other: dry beans	Total dry beans	Canned pork & beans baked beans	Canned dry lima beans	Canned kidney beans			
	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Bags	Cases (48 cans)	Cases (24 cans)	Cases (24 cans)			
163-:Butte, Missoula, Mont.,																		
164-:Lewiston, Pocatello,																		
165-:Idaho Falls, Boise,																		
166 :Twin Falls, Idaho :	77:	156:	2,788:		398:		1,034:	324:	881:	51:	2,108:	7,817:	21,396:	939:	833			
168 :Denver, Colo. :	167:	2,316:	3,675:		348:		2,737:	1,117:	556:	299:	268:	16,883:	31,203:	3,112:	5,089			
169 :Pueblo, Colo. :	27:	10,010:	2,067:		115:		1,228:	361:	215:	166:	375:	14,564:	20,030:	532:	1,598			
170 :Grand Junction, Colo:		350:	421:				339:	145:	15:	25:	12:	1,307:	2,071:	56:	195			
171 :Albuquerque, N.Mex.:	35:	5,852:	523:	25:	9:	10:	453:	201:	181:	91:	10:	7,390:	7,600:	385:	608			
172-:Phoenix,																		
173 :Tucson, Ariz. :	1:	17,287:	1,055:		264:	3:	1,548:	1,042:	1,151:	1,085:	4,041:	27,477:	19,238:	1,518:	2,137			
174-:Ogden,																		
175 :Salt Lake City, Utah		1,316:	15,082:				11,275:	4,559:			24,323:	56,555:	17,074:	542:	331			
177 : Seattle, Tacoma, Wash.	3,615:	106:	930:	38:	1,028:	75:	5,855:	3,023:	12,300:	398:	10,492:	37,860:	75,195:	4,733:	7,518			
178 :Spokane, Wash., :		4:				16:	627:	441:	4,140:		2,531:	7,759:	19,428:	377:	1,346			
179 :Portland, Ore. :	415:	120:	1,800:		702:	286:	3,061:	2,383:	10,577:	263:	9,728:	29,335:	52,358:	4,768:	5,751			
176-:Reno, Nev., :																		
180 :Sacramento, Calif. :	450:	1,122:	635:		1,253:	2,431:	1,872:	1,357:	3,384:	933:	4,862:	18,299:	18,342:	1,602:	2,071			
181-:San Francisco,																		
182 :Fresno, Calif. :	117:	3,652:	2,301:		3,365:	4,139:	8,129:	4,049:	14,770:	2,230:	41,956:	84,708:	101,774:	17,401:	17,003			
183 :Los Angeles, Calif.:	3,796:	7,899:	7,167:	544:	3,200:	608:	10,085:	6,071:	15,496:	4,507:	45,078:	104,451:	129,063:	22,080:	39,983			
184 :San Diego, Calif. :		687:	306:		140:		1,028:	275:	1,231:	524:	7,448:	11,639:	15,743:	1,103:	3,059			
Total	1,100,444:	780,359:	632,952:	139,503:	168,128:	226,440:	575,486:	350,153:	148,794:	324,254:	253,773:	4,700,286:	5,129,925:	356,993:	1,093,628			

Source: Survey of Cooperative Research and Service Division, 1940.

1/ Package of dry beans included with bags.

No reports received from trading areas 30, 47, and 97.

